"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

GEL'D, P.V.; LIPATOVA, V.A.; SIDORENKO, F.A.; SHUBINA, T.S.

Antiferromagnetism of α-leboit. Fiz. met. i metalloved. 14 no.2: 298-299 Ag '62. (MIRA 15:10)

1. Ural'skiy politekhnicheskiy institut imeni Kirova.
(Ferromagnetism) (Iron-silicon alloys--Metallography)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SIDORENKO, R.A.; SIDORENKO, F.A.; KOSNAREV, A.S.

Kinetics of the graphitization of isolated cementite in malleable cast iron with a large and small ratio of sulfur to manganese. Fiz. met. i metalloved. 14 no.2:303-305 Ag '62. (MIRA 15:12)

1. Ural'skiy politekhnicheskiy institut imeni S.M.Kirova.
(Cast iron--Metallurgy)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SIDORENKO, F.A.; GOL'D, P.V.

Accuracy of the rapid determination of silicon in ferrosilicon from its density. Zav.lab. 28 no.6:709-710 '62. (MIRA 15:5)

1. Leningradskiy politekhnicheskiy institut imeni S.M. Kirova.
(Silicon—Analysis) (Iron-silicon alloys)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SIDORENKO, F.A.; GEL'D, P.V.

Nature of the ε-phase in the system Fe - Si. Izv. vys. ucheb. zav.; chern. met. 6 no.7:140-148 '63. (MIRA 16:9)

1. Ural'skiy politekhnicheskiy institut.
(Iron-silicon alloys--Metallography)
(Phase rule and equilibrium)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SIDORENKO, R.A.; KOSNAREV, A.S.; SIDORENKO, F.A.

Kinetics of the graphitization of malleable cast iron with a large and small ratioof sulfur to manganese and of cementite separated from it. Fiz. met. i metalloved. 15 no.5:788-791 My '63. (MIRA 16:8)

1. Ural'skiy politekhnicheskiy institut im. Kirova.
(Cast iron--Heat treatment)
(Iron carbide)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

ACCESSION NR: AP4029537 S/0149/64/000/002/0146/0151

AUTHOR: Zelenin, L. P.; Sidorenko, F. A.; Gel'd, P. V.

TITLE: Structural characteristics of the ε-phase of the Co-Si system

SOURCE: IVUZ. Tsvetnaya metallurgiya, no. 2, 1964, 146-151

TOPIC TAGS: cobalt, silicon, ε-phase, silicide, metallographic investigation, x-ray investigation, densitometric investigation

ABSTRACT: In this paper the authors studied the concentration limits of stability of single-phase monosilicide and the character of filling its crystalline lattice with component atoms. Microphotographs of Co-Si alloys with various silicon contents are presented. The authors found that by metallographic, x-ray, and densitometric methods, the width of the homogeneity region of ε-phase of the Co-Si system at 800-1100° (31.40-32.80% Si) and at 1200° (30.96-33.06 Si) is more accurately defined. It is shown that when $n_{Si} > n_{Co}$, cobalt monosilicide, it is a solid solution of subtraction in the cobalt sublattice. The maximum defectiveness for an alloy saturated with silicon at 1100° reaches 2%. When $n_{Si} < n_{Co}$, a substitution of silicon atoms by cobalt atoms occurs which is accompanied by formation of the small amount of defects in the silicon sublattice. Equiatomic cobalt monosilicide is characterized

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ACCESSION NR: AP4029537

by a period of identity a = 4.4445 ± 0.0010 Å, a density ρ = 6.58 ± 0.003 g/cm^3, a microhardness H = 840 kg/mm^2 and a thermal emf α_{20-120} = 83 μv/degree. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: Ural'skiy politekhnicheskiy institut (Ural Polytechnical Institute)

SUBMITTED: 17Sep63 DATE ACQ: 30Apr64 ENCL: 00

SUB CODE: ML NO REF SOV: 003 OTHER: 004

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

[illegible], F.A.; [illegible]

Stability of the superlattice of Fe_3Si at high temperature. Fiz. met. i metalloved. 18 no.6:940-941 D '64. (MIRA 18:[illegible])

1. Ural'skiy politekhnicheskiy institut imeni Kirova.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

L 33515-65 EWT(m)/EPF(n)-2/EPR/EWG(m)/EWP(e)/EWP(t)/EWP(b) Ps-4/Pu-4 IJP(c)
JD/JG/AT/WH

ACCESSION NR: AP5006190 S/0226/65/000/002/0033/0040

AUTHOR: Radovskiy, I. Z.; Shubina, T. S.; Gel'd, P. V.; Sidorenko, F. A. [redacted] 31

TITLE: Magnetic susceptibility of chromium silicides 27 27 30 B

SOURCE: Poroshkovaya metallurgiya, no. 2, 1965, 33-40

TOPIC TAGS: magnetic susceptibility, chromium inorganic compound, silicide, semiconductor property

ABSTRACT: Chromium silicides were selected for research because of their infusibility, thermal stability and extreme hardness and because of the semiconductor properties of the bisilicide. There are four intermetallic compounds in the chromium-silicon system: Cr_3Si, Cr_5Si_3, CrSi and $CrSi_2$. Unfortunately, little attention has been given to their physical properties. In the studies which have been made, there is disagreement among the authors as to the value of the magnetic susceptibility of the lower chromium silicides. This is apparently due to poor control of the quality and phase state of the specimens. The effect of temperature on the magnetic susceptibility of the four intermetallic compounds was studied in the 20-800°C range. It was found that the Curie-Weiss law is true for chromium

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

L 33515-65
ACCESSION NR: AP5006190

monosilicide, while the susceptibility of the other compounds is dependent on temperature.

ASSOCIATION: Ural'skiy politekhnicheskiy institut im. S. M. Kirova (Ural Polytechnic Institute)

SUBMITTED: 05Dec63 ENCL: 00 SUB CODE: EM

NO REF SOV: 014 OTHER: 006

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

KAPOVSKIY, I.Z.; SIDORENKO, F.A.; GEL'D, P.V.

Magnetic susceptibility and valent state of the atoms of manganese in its highest silicide. Fiz. met. i metalloved. 19 no.4:514-520 Ap '65. (MIRA 18:5)

1. Ural'skiy politekhnicheskiy institut imeni Kirova.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SHUBINA, T.S.; SIDORENKO, F.A.; GELD, P.V.

Magnetic susceptibility and valent state of iron monosilicide atoms. Fiz. met. i metalloved. 19 no.4:544-549 Ap '65. (MIRA 18:5)

1. Ural'skiy politekhnicheskiy institut imeni Kirova.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

RADOVSKIY, I.Z.; SIDORENKO, F.A.; GEL'D, P.V.

Magnetic susceptibility and valency of the atoms of chromium and its bisilicide. Fiz. met. i metalloved. 19 no.6:915-922 Je '65. (MIRA 18:7)

1. Ural'skiy politekhnicheskiy institut imeni Kirova.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

ACC NR: AP6036903 SOURCE CODE: UR/0226/66/000/011/0066/0071

AUTHOR: Zelenin, L. P.; Radovskiy, I. Z.; Sidorenko, F. A.; Gel'd, P. V. Rabinovich, B. S.

ORG: Ural Polytechnic Institute im. S. M. Kirov (Ural'skiy politekhnicheskiy institut)

TITLE: Structural peculiarities of solid solutions of chromium dicilicide with vanadium and titanium dicilicides

SOURCE: Poroshkovaya metallurgiya, no. 11, 1966, 66-71

TOPIC TAGS: disilicide, solid solution, chromium vandium alloy, titanium solid. solution, vanadium solid solution, vanadium disilicide, titanium disilicide, chromium disilicide

ABSTRACT: An analysis was made of the region of solubility for vanadium and titanium bisilicides in chromium bisilicide. It is shown that the chromium and titanium bicilicides possess an inorganic mutual solubility in the solid state, while the solubility of $TiSi_2$ in $CrSi_2$ exceeds 80 mol%. It is also established that the solid solutions of VSi_2 and $TiSi_2$ in $CrSi_2$ have complete crystal lattices of the

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

ACC NR: AP6036903

C-40 type, with three metal atoms and six atoms of silicon in unit cell. The volume of the unit cells increases with the increase of vanadium and titanium contents in the alloys. The imperfection of the solid solutions is noted and a hyphothesis of its causes is given. Orig. art. has: 3 figures and 2 tables.

[NT]

SUB CODE: 11/SUBM DATE: 10Nov65/ORIG REF: 006/OTH REF: 003/

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SHCHEMEKO, F. S.

Founding

Flaskless casting on the coordinating plate in a disassembled flask. Lit. proiz., No. 7, 1952.

Monthly List of Russian Accessions, Library of Congress October 1952 UNCLASSIFIED

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SIDORENKO, G. (Omsk).

Shielding parts of grid circuits. Radio no.1:50 Ja '57.
(Electron tubes) (MLRA 10:2)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SIDORENKO, G.

Bacterial contamination of city air at low altitudes. Gig. i san. 24 no.9:84 S '59. (MIRA 13:1)

1. Iz kafedry gigiyeny II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.

(MOSCOW--AIR--BACTERIOLOGY)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SIDORENKO, G.A., nauchn.sotrudnik

Case of 24-day-old avulsion of the spleen. Nov.khir.arkh. no.11:83-84 '61. (MIRA 14:12)

1. Otdel klinicheskoy khirurgii (zav. - dots. A.L. Pkhakadze) Ukrainskogo nauchno-issledovatel'skogo instituta klinicheskoy meditsiny im. akad. N.D. Strazhesko.
(SPLEEN--WOUNDS AND INJURIES)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SIDORENKO, G. A.

USSR/Physics - X-ray analysis

Card 1/1 Pub. 22 - 13/40

Authors : Shamovskiy, L. M.; Rodionova, L. M.; Sidorenko, G. A.; and Zhvanko, Yu. N.

Title : X-ray investigation of monocrystal phosphori, NaCl & KCl, activated with silver chloride

Periodical : Dok. AN SSSR 99/2, 235-238, Nov 11, 1954

Abstract : Experiments were performed for the purpose of studying the nature of monocrystallic phosphori [NaCl, KCl, NaCl(Ag^+) and KCl(Ag^+)]. The experiments were conducted with the help of a special X-ray apparatus. Laue-grams were obtained and studied. The results and conclusions are presented. Eight references; 2-USSR (1923-1954). Illustrations.

Institution : The All-Union Scientific Research Institute for Mineral Raw Materials

Presented by: Academician N. V. Belov, June 24, 1954

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SIDORENKO, G. A.

Arsenate belovite, a new mineral. L. K. Yakhontova and G. A. Sidorenko (M. V. Lomonosov State Univ., Moscow). *Zapiski Vsesoyuz. Mineralog. Obshchestva* 85, 297–302(1956).—It is proposed to call the new mineral described by Nefedov (*ibid.* 82, No. 4, 317(1953) "arsenate belovite" to distinguish it from the "phosphate belovite" described by Borodin and Kazakova (*C.A.* 49, 100a). Arsenate belovite of the compn. $Ca_5(Ca, Mg)(AsO_4)_3.2H_2O$ thus belongs to the group of roselite, $(Ca, Co)_5(Co, Mg)(AsO_4)_3.2H_2O$, and brandtite, $Ca_5Mn(AsO_4)_3.2H_2O$. Arsenate belovite is a typical mineral of the oxidation zone of Co-As ore deposits, occurring in chalcedony-like veinlets assocd. with erythrite. The color of arsenate belovite is normally white, but greenish (Ni-contg.) or rose-colored portions (by Co) also are observed. Dense fan-shaped aggregates are polysynthetically twinned. Angle $c: \gamma = 12–15°$; optically pos.; $ns\ \gamma'$ between 1.698 and 1.704; α' between 1.678 and 1.697, i.e. lower than for roselite. The white material contains SiO_2 0.14, Al_2O_3 0.44, Fe_2O_3 0.21, MgO 9.32, CaO 27.20, MnO 0.03, NiO none, CoO none, As_2O_5 52.51, H_2O −1.26, H_2O +7.93, and F 1.12%. The presence of F indicates the binding of H_2O in the crystal structure as OH groups. Therefore, the formula should be written $H_3Ca_5Mg(AsO_4)_3OH,F)_2.H_2O$. At 100–200° 0.60% is lost; at 220–240° 0.72%; at 330–50° 0.44%; at 420–520° 7.06%. The dehydration curve is very similar to that of roselite. The differential-thermal curve shows a strong endothermic dehydroxylation effect at 400–500° and an exothermic reaction at 650°. A greenish sample of arsenate belovite contained 0.75% NiO. The analogy of arsenate and phosphate belovite is particularly striking in their x-ray diffraction diagrams, which are of the apatite-related type. The general formula $R_5(XO_4)_3(OH)$ equally fits for the roselite-belovite group contg. 5 cations and 4 anions. W. Eitel

Chair Mineralogy

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SIDORENKO, G. A.

7-1-3/12

AUTHOR: Sidorenko, G. A.

TITLE: X-Ray Diffraction Investigation of Natural Uranium Oxides (Rentgenograficheskoye izucheniye prirodnykh okislov urana)
1. Alteration of the Size of the Elementary Cell of Natural Uranium Oxide
(1. Izmeneniye razmera elementarnoy yacheyki prirodnykh okislov urana)

PERIODICAL: Geokhimiya, 1958, Nr 1, pp. 22-38 (USSR).

ABSTRACT: Natural Uranium-IV-oxide crystallizes in the fluorine lattice. By the decomposition of uranium lead occurs and the residual uranium is gradually oxidized to U(IV). In contrast to synthetic products, however, no phase transformation occurs, only the lattice constant is reduced. 23 samples of different uraninites were investigated according to Debije-Scherrer (x-ray tubes of the type БСВ, Cr, Cu, Fe; lens diameter 57,6; 86,0; 114,0 mm; comparator ИЗА - 2, rock salt as standard). Furthermore the samples were investigated spectrochemically and microanalytically for their content of UIV, UVI, (th), and Pb. The results admit to represent

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

X-Ray Diffraction Investigation of Natural Uranium Oxides 7-1-3/12
1. Alteration of the Size of the Elementary Cell of Natural Uranium Oxide

graphically the oxygen coefficient x ($2 \leq x \leq 3$) as function of the lattice constant.
To a great extent oxidized pitchblende yields diffused reflexes which can be caused by the small size of the particles or by a disturbed lattice structure. Investigations under changing conditions showed that the particles have a size of 15o-3oo Å at $x > 2,5$. In the case of heating also natural uranium oxides show a phase transformation. This transformation was investigated between 3oo and 1ooo°C. Besides the radiographic investigation also a differential-thermo-analysis was carried out. The transformation temperature of the pitchblende in the hexagonal phase shows an direct dependence on the oxygen coefficient x. The Debije-Scherrer diagrams are reproduced for the hexagonal phase, a recently discovered phase Y, and phase X, the measured values are given in tables.
There are 1o figures, 11 tables, and 25 references, 5 of which are Slavic.

ASSOCIATION: All Union Scientific Research Institute of Economic Minerals (VIMS), Moscow (Not given in Russian)
SUBMITTED: June 6, 1957.
AVAILABLE: Library of Congress.
Card 2/2

1. X-ray diffraction analysis 2. Lattices-Reduction
3. Radiographic analysis

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

IVANOV, I.P.; SIDORENKO, G.A.

Richterite-asbestos. Zap.Vses.min.ob-va 94 no.5:497-506 '65. (MIRA 18:11)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SKVORTSOVA, K.V.; SIDORENKO, G.A.

"Sedovit," a new supergene mineral of uranium and molybdenum. Zap.Vses.min.ob-va 94 no.5:548-554 '65.

(MIRA 18:11)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

7-58-3-10/15

AUTHORS: Vaynshteyn, E. Ye., Sidorenko G. A., Tugarinov, A. I., Turanskaya, N. V.

TITLE: On the Ratio of Individual Rare Earths in Gadolinite (O soot-noshenii individual'nykh redkikh zemel' v gadolinite)

PERIODICAL: Geokhimiya, 1958, Nr 3, pp. 245 - 247 (USSR)

ABSTRACT: Five samples of gadolinite from Sweden (Ytterby/Itterbi/ Nr 51372, Ytterby Nr 3, Ytterby Nr 51374), Norway (Knittero Nr 51366) and of northern Caucasus (river Indysh, sample of G.D.Afanas'ev) were investigated by means of X-ray spectral analysis as well as radiographically. The first table gives the relative content in the case of the individual rare earths for the individual samples with respect to the element neodymium. The second table contains the measuring results from the debyegrams of four samples. The obtained results show that the ratio of the cerium earths is comparatively constant, whereas the ratio of the yttrium oxides is subjected to small fluctuations. These fluctuations do, however, not influence the

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

On the Ratio of Individual Rare Earths in Gadolinite 7-58-5 1c/15

structure of the mineral, as is shown by the X-ray diagrams; the absence of several lines of secondary importance in two samples points out a partial destruction of the crystal lattice. The constancy of the structure parameters of gadolinite and its close paragenetic association with yttrium-containing minerals renders the existence of cerogadolinite rather dubious. There are 2 tables and 4 references, 3 of which are Soviet.

ASSOCIATION: Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo, AN USSR, Moskva (Moscow Institute of Geochemistry and Analytical Chemistry imeni V.I. Vernadskiy, AS USSR)

SUBMITTED: January 10, 1958

1. Gadolinite--Analysis 2. Rare earths--Determination
3. X-ray spectrum analyzers--Applications

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

AUTHORS: Ginzburg, A. I., Gorzhevskaya, S. A. Yerofeyeva, Ye. A. Sidorenko, G. A. SOV/7-58-5-10/15

TITLE: On the Chemical Composition of the Cubic Titanium-Tantalum Niobates (O khimicheskom sostave kubicheskikh titano-tantalo-niobatov)

PERIODICAL: Geokhimiya, 1958, Nr 5, pp 486 - 500 (USSR)

ABSTRACT: The specific properties of the so-called mineral group are described in detail in the beginning; then the division into the perovskite type (ABX_3) and pyrochlorine type ($A_2B_2X_7$) is discussed. 22 chemical and x-ray analyses (Table 3) are the basis of this paper. A number of analyses are plotted in several diagrams of ternary systems: Nb - Ti - Ta (Fig 1); A - B - X (Fig 5); Nb - Ti, Zr - Ta (Fig 6); Ca - TR - U - Th (Fig 7). The dependence of the lattice constant on the TiO_2 content in the perovskite group (Fig 2) and in the pyrochlorine group (Fig 3) is also shown. The result of the paper is a classification of the mineral groups investigated (Table 2). The empiric formulae of minerals greatly differ from the

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theoretical formulae generally adopted for them. A deficiency of cations in the group "A" was found. In connection herewith the formula $A_{n-x}B_pX_q$ is proposed where x denotes the value determining the deficiency in the atomic numbers of the group "A". For the pyrochloric type the formula then reads $A_{2-x}B_2X_7$, and for the perovskite type $A_{1-x}BX_3$, or $A_{2-x}B_2X_6$. The atomic proportion of the cations of the group "A" in the cubic titanium-tantalum niobates ranges from 2,0 to 0,5, a definite dependence between the extent of the cation deficiency in the group "A" and the content of titanium, zirconium, uranium, thorium and water in minerals having been observed. The usual minerals with an increased cation deficiency in the group "A" are metamictic minerals. There are 9 figures, 3 tables, and 23 references, 15 of which are Soviet.

ASSOCIATION: Vsesoyuznyy institut mineral'nogo syr'ya, Moskva (All-Union Institute for Mineral Raw Materials, Moscow)

SUBMITTED: March 17, 1958

Card 2/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

On the Chemical Composition of the Cubic Titanium-Tantalum Niobates SOV/7-58-5-10/15

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SOV/70-[illegible]-[illegible]-[illegible]-26

AUTHOR: Chamovskiy, L. N., Radionova, I. M., Lifarenko, J. A., Zavanko, N. N.

TITLE: On the Polyhedral Substructure of the Single-Crystals of Alkali Halide Phosphorus (K voprosu o [illegible] kristallicheskoy monokristallov shchelochno-galoidnykh fosforov)

PUBLICATION: Zhurnal fizicheskoy khimii, 1958, Vol 32, Nr 9, pp 2203-2207 (USSR)

ABSTRACT: Monocrystals of alkali-halide phosphorus are prepared by growing them in a solution to which an activator has been added. They have a polyhedron substructure. This results from the two-fold behavior of the activator: one part enters as a solid solution while the other part, usually smaller, forms inner contact surfaces. The suostructure shows itself by a cleavage in the interference spots of the Laue exposures, especially after careful annealing. This effect cannot be confused with the doubling of the diffraction patterns which arise through the light penetration of thicker plates. From the publication of the authors (Ref 3) 8 Laue pictures are reproduced. The present article criticizes V. F. Pisarenko (Ref 12), who

Card 1/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SOV/76-32-9-39/46

On the Polyhedral Substructure of the Single-Crystals of Alkali-Halide Phosphors

checked part of the papers of the authors. He did not distinguish between cleavage and doubling in the interference spots. Two printing errors in the earlier paper (Ref 5) are corrected here. There are 8 figures and 15 references, 8 of which are Soviet.

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

AUTHOR: Sidorenko, G.A. 307/132-59-1-16/18

TITLE: V.I. Mikheyev "Roentgenometric Detector of Minerals" (V.I. Mikheyev "Rentgenometricheskiy opredelitel' mineralov") Gosgeoltekhizdat 1957

PERIODICAL: Razvedka i okhrana nedr, 1959, Nr 1, pp 57-58 (USSR)

ABSTRACT: This is the review of the above mentioned book.

ASSOCIATION: VIMS

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SIDORENKO, G.A. (Kiyev, ul. Lenina, d.72, kv.21)

Effectiveness of cholecystectomy in chronic cholecystitis. Nov.khir.arkh. no.3:13-17 My-Je '59. (MIRA 12:10)

1. Otdel khirurgii (zav. - dotsent A.L.Pkhakadze) Ukrainskogo nauchno-issledovatel'skogo instituta klinicheskoy meditsiny.
(GALL BLADDER--DISEASES)

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ZALASHKOVA, N.Yo.; SIDORENKO, G.A.

Strueverite from pegmatites of the Mongolian Altai. Trudy Inst. min., geokhim. i kristallokhim. red. elem. no.3:85-88 '59. (MIRA 14:5)

(Altai Mountains—Strueverite)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

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SIDORENKO, G. A.

BOYKO, V.K., starshiy nauchnyy sotrudnik (Kiyev, ul. Saksaganskogo, 75); DEMIDYUK, P.F., nauchnyy sotrudnik; MOYBENKO, A.A., nauchnyy sotrudnik; SIDORENKO, G.A., nauchnyy sotrudnik

Experimental heart defibrillation with electric currents of low tension. Nov.khir.arkh. no.6:13-18 N-D '59. (MIRA 13:4)

1. Otdel klinicheskoy khirurgii (zaveduyushchiy - dotsent A.L. Pkhakadze) i otdel patofiziologii (zaveduyushchiy - kand.med.nauk A.I. Khomazyuk) Ukrainskogo nauchno-issledovatel'skogo instituta klinicheskoy meditsiny.
(HEART) (ELECTROTHERAPEUTICS)

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SIDORENKO, G.A. (Kiyev, ul. Lenina, d.72, kv.21)

Case of the unusual clinical course of cancer of the large intestine. Nov.khir.arkh. no.6:97-98 N-D '59. (MIRA 13:4)

1. Otdel klinicheskoy khirurgii (zaveduyushchiy - dotsent A.L. Pkhakadze) Ukrainskogo nauchno-issledovatel'skogo instituta klinicheskoy meditsiny.

(INTESTINES--CANCER)

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SIDORENKO, G.A.

"X-ray guide to minerals" by V.I.Mikheev. Reviewed by G.A. Sidorenko. Razved. i okh.nedr 25 no.1:57-58 Ja '59. (MIRA 12:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(X rays--Industrial applications) (Mineralogy, Determinative)
(Mikheev, V.I.)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SIDORENKO, Galina Aleksandrovna; MUKHIN, S.S., red.izd-va; BYKOVA, V.V., tekhn.red.

[X-ray determinator of uranium and uranium-bearing minerals] Rentgenograficheskii opredelitel' uranovykh i uransoderzhashchikh mineralov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedr, 1960. 114 p. (MIRA 13:8)
(Uranium) (X rays--Industrial applications)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

GINZBURG, A.I.; GORZHEVSKAYA, S.A.; YEROFEYEVA, Ye.A.; SIDORENKO, G.A.; MALYSHEV, I.I., red.; POLYAKOV, M.V., red.; RODIONOV, G.G., red.; STEPANOV, I.S., red.; TROKHACHEV, P.A., red.; FAGUTOV, V.F., red.; KHRUSHCHOV, N.A., red.; CHERNOSVITOV, Yu.L., red.; SHMANENKOV, I.V., red.; SHCHERBINA, V.V., red.; EYGELES, M.A., red.; NEMANOVA, G.F., red.izd-va; BYKOVA, V.V., tekhn.red.

[Titanates, tantalates, and niobates] Titano-tantalo-niobaty. Moskva. Gos. nauchno-tekhn.izd-vo lit-ry po geol.i okhrane nedr. Part 1. 1960. 166 p. (Geologiia mestorozhdenii redkikh elementov, no.10). (MIRA 14:6)

(Titanates) (Tantalates) (Niobates)

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GINZBURG, A.I.; GORZHEVSKAYA, S.A.; YEROFEYEVA, Ye.A.; SIDORENKO, G.A.

Chemical composition of tetragonal titanium-tantalum-niobates. Geokhimiia no.1:11-30 '60. (MIRA 13:6)
(Fergusonite)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

S/081/62/000/010/037/085
B177/B144

AUTHORS: Sidorenko, G. A., Gorzhevskaya, S. A.

TITLE: Tetragonal tantalum-niobates. X-ray structural analysis

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 10, 1962, 110, abstract 10G72 (Sb. "Geol. mestorozhd. redk. elementov", no. 10, M., Gosgeoltekhizdat, 1960, 129 - 136)

TEXT: Among all titanium-tantalum-niobates, the minerals which crystallize in tetragonal syngony belong to three structural types: fergusonite, rutile and tapiolite-mossite. Minerals of the fergusonite group are usually found in the metamict state. Tetragonal syngony of fergusonite (a, 5.15, c, 10.89 kX) has been established in a non-metamict specimen. It is isostructural with scheelite. Heating the mineral causes a reduction of syngony to monoclinic with parameters a = 5.05, b = 10.89, c = 5.27 kX, β = 85°30′. The reduction of symmetry is possibly due to the ordering of Y and Nb ions. A natural monoclinic modification of fergusonite (a 5.12, b 10.89, c 5.20 kX, β = 88°10′) was recently discovered among granites, in the highest-temperature mineral associations.

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S/081/62/000/010/037/085
B177/B144

Tetragonal tantalum-niobates...

Two polymorphic modifications of fergusonite are thus distinguished: α-fergusonite - tetragonal, and β-fergusonite - monoclinic. The transition of minerals from the metamict to the crystalline state begins in different specimens at roughly 550 - 700°C. By no means all minerals change to the monoclinic modification when heated. In most cases both modifications exist together within a certain temperature range. [Abstracter's note: Complete translation.]

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

S/110/60/000/010/009/014
E073/E435

AUTHORS: Sergeyev, P.V., Engineer and Sidorenko, G.A., Engineer

TITLE: Electric Arc Furnace with the Electrode Submerged in the Molten Metal

PERIODICAL: Vestnik elektropromyshlennosti, 1960, No.10, pp.45-48

TEXT: The furnace was developed in the Laboratoriya promyshlennoy energetiki, Akademiya nauk Kazakhskoy SSR (Industrial Power Laboratory of the AS KazSSR). In contrast to current types of arc furnaces, the arc burns under a layer of molten metal, the thickness of which can be varied as desired. Therefore, the heat is generated directly in the metal and the efficiency is considerably higher; the metal vapours which form in the arc zone condense again without rising to the surface and, therefore, very little metal is burned away. Air oxygen is not present, so that there is practically no burning-off of the graphite electrodes. Irrespective of the metal that is molten, the furnace has a high power-factor. The graphite electrode is a protective tube of a material thermally and chemically resistant

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S/110/60/000/010/009/014
E073/E435

Electric Arc Furnace with the Electrode Submerged in the Molten Metal

to the particular melt; the tube is electrically insulated from the electrode and there is an appropriate gap between the two. This is filled with asbestos which, in addition to serving as electric insulation, also provides a hermetic seal between the electrode and the tube. The asbestos lining is discontinued at a distance of about 2 to 3 electrode diameters from the end of the electrode and the electrode is shorter than the protective tube by about 0.5 to 0.6 diameters. It is advisable to make the lower end of the tube in the form of an inverted funnel, to protect the edges from over-heating and to prevent shifting of the arc from the electrode to the walls and also to improve heat removal. In smelting lead, tubes of heat-resistant steel should be used; for low heating temperatures the tubes can be of ordinary steel. In smelting aluminium and its alloys, the protective tubes should be made of high-temperature cast iron. In smelting zinc, particular types of cast iron with alloying additions are also suitable. For all metals and alloys, tubes made of non-porous, high quality.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

S/110/60/000/010/009/014
E073/E435

Electric Arc Furnace with the Electrode Submerged in the Molten Metal

graphite are fully satisfactory. For initial starting of the furnace, a shallow liquid-metal bath has to be available. (This is not necessary for subsequent starts, since the electrode design is such that the furnace can be periodically stopped and during these stoppages the electrode is "frozen" into the bath.) On immersing the electrode into the molten metal the air in the cavity gets compressed, thus preventing penetration of liquid metal to the electrode. After the electrode has reached the necessary depth, a second electrode is introduced manually below the cavity for the purpose of igniting the arc; this igniting electrode can be removed after 3 to 5 min and from then onwards the arc will burn inside the gas space. The best results were obtained when the second electrode was at the same level as the metal. A furnace was tested in the laboratory (10 kW unit) and then in a larger version for smelting zinc (100 kW). The main factors which determine the satisfactory operation of such a furnace are: air-tightness of the electrode; suitable depth of the

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S/110/60/000/010/009/014
E073/E435

Electric Arc Furnace with the Electrode Submerged in the Molten Metal

electrode inside the protective tube, so that a satisfactory gas space is formed shape of the end of the protective tube, a funnel divergent towards the bottom being the most favourable; and the electrode as near to vertical as possible, since excessive inclination can lead to an undesirable shortening of the arc and also to short-circuits In smelting lead, the electrode consumption was uniform at the rate of 1 mm/h in laboratory operation and 2 to 3 mm/h in industrial units. Particular attention was paid to the design of the equipment for continuous feeding of the electrode, which is so made that air leaks through the bottom of the protective tube are prevented. In a specific installation the power factor was 0.84 to 0.88, increasing with increasing loading to 0 85 to 0.95; the voltage across the arc was 23 to 28 V In the case of lead smelting, the voltage drop at the near cathode layer was about 12 V, at the near-anode layer about 3 V and in the arc column 11 to 14 V. Taking into consideration that the arc length is 5 to 10 mm, the voltage gradient across the arc is 1.5 to 2 0 V/mm Therefore, the maximum possible arc voltage is 50 to 60 V, or

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S/110/60/000/010/009/014
E073/E535

Electric Arc Furnace with the Electrode Submerged in the Molten Metal

127 V for three-phase installations. The electrical efficiency should be at least as good as that of induction furnaces with steel cores and mostly better; the overall efficiency is considerably higher than for resistance furnaces. Furnaces of the type described are simple and reliable in operation and involve relatively low first costs. There are 3 figures and 3 Soviet references.

SUBMITTED: February 25, 1960

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

S/081/62/000/010/034/085
B177/B144

AUTHORS: Sidorenko, G. A., Gorzhevskaya, S. A.

TITLE: Cubic titanium-tantalum-niobates. X-ray analysis.

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 10, 1962, 110, abstract 10G69 (Sb. "Geol. mestorozhd. redk. elementov", no. 10, M., Gosgeoltekhizdat, 1960, 64 - 71)

TEXT: Cubic titanium-tantalum-niobates crystallize in two structural types: perovskite and pyrochlore. Many minerals in the perovskite group are pseudo-cubic with a 7.64 - 7.68 kX. It is found that a regularly increases with increasing Nb content and with decreasing Ti content. This provides a possibility of determining the Nb content from the value of a. The effect of the dimensions of groups B and A cations on the dimensions of a unit cell is noted in the structural type of pyrochlore. An increased Ti content causes a reduction of a. In proportion to the substitution Nb ← Ti in group A, the following isomorphic substitutions occur: Ca and Na are replaced by TR, U and Th. The titanium-uranium-rare earths constitute minerals having elementary cells of reduced dimensions. The

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

S/081/62/000/010/034/065
B177/B144

Cubic titanium-tantalum-niobates...

greatest cell dimensions are those typical of minerals in the tantalum and niobium series, which possess a more constant chemical composition (microlites and pyrochlores). With minerals having variable composition, containing Ti, U and TR, the dimensions of an elementary cell decrease. Minerals having a more constant chemical composition possess a crystalline structure, while those whose composition is complex are metamict. A definite relation exists between the chemical composition, structure and the state. [Abstracter's note: Complete translation.]

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

BLOKH, A.M.; SIDORENKO, G.A.

Nefedievite of Transbaikalia. Dokl. AN SSSR 135 no.3:701-704 N '60. (MIRA 13:12)

1. Vsesoyuznyy institut mineral'nogo syr'ya. Predstavleno akad. D.S. Korzhinskim.
(Selenga Valley—Nefedievite)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SKVORTSOVA, K.V.; KOPCHENOVA, Ye.V.; SILANT'YEVA, N.I.; SIDORENKO, G.A.; DARA, A.D.

Conditions governing the formation of umohoite in uranium-molybdenum deposits of the U.S.S.R. Geol.rud.mestorozh. no.5:53-63 S-O '61. (MIRA 14:9)

(Umohoite)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

GORZHEVSKAYA, S.A.; SIDORENKO, G.A.; SMORCHKOV, I.Ye.

New modification of fergusonite-β fergusonite. Geol.mest.red.elem. no.9:28-29 '61. (MIRA 14:9)

(Fergusonite)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

KUDRINA, M.A.; KUDRIN, V.S.; SIDORENKO, G.A.

Britholite and alumobritholite from Siberian alkaline pegmatites. Geol.mest.red.elem. no.9:108-120 '61. (MIRA 14:9)
(Siberia--Britholite) (Siberia--Pegmatites)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

PETROVA, Ye.A.; SIDORENKO, G.A.; IVANOVA, T.I.

Crystalline gadolinite. Geol.mest.red.elem. no.9:148-151 '62. (MIRA 14:9)

(Siberia--Gadolinite)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

PETROVA, Ye.A.; SIDORENKO, G.A.; IVANOVA, T.I.

Fergusonite from albitites. Geol.mest.red.elem. no.9:161-167 '61. (MIRA 14:9)

(Siberia--Fergusonite) (Siberia--Albitite)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

ZDORIK, T.B.; SIDORENKO, G.A.; BYKOVA, A.V.

Calzirtite, a new calcium titanozirconate. Dokl. AN SSSR 137 no.3:681-684 Mr '61. (MIRA 14:2)

1. Vsesoyuznyy institut mineral'nogo syr'ya. Predstavleno akademikom D.I.Shcherbakovym.
(Siberia, Eastern—Zirconates)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SIDORENKO, G.A.

X-ray study of metamict minerals. Rent.min.syr. no.1:108-112 '62. (MIRA 16:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

(X-ray crystallography)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SIDORENKO, G.A.; CHERNOVA, N.I.

X-ray studying of the bone phosphate of fossil fishes in the Soviet Union. Rent. min. syr. no.2:81-87 '62. (MIRA 16:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

KRUGLOVA, V.G.; SIDORENKO, G.A.; BOKOVA, L.M.

Native selenium from brown coal deposits. Geol.nest.red.elem. no.11:125-132 '62. (MIRA 15:5)
(Selenium) (Lignite)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

KOPCHENOVA, Ye.V.; SKVORTSOVA, K.V.; SILANT'YEVA, N.I.; SIDORENKO, G.A.; MIKHAYLOVA, L.V.

Mourite, a new supergene uranium-molybdenum mineral. Zap. Vses. min. ob-va 91 no.1:66-71 '62. (MIRA 15:3)
(Mourite)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

CHEN' DE-TSYAN' [Ch'en Te-ch'ien]; SIDORENKO, G.A.

First find of tapiolite in the U.S.S.R. Min.syr'e no.4:116-118 '62. (MIRA 16:4)

(Tapiolite)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SOLOMKINA, S.G.; SIDORENKO, G.A.

Additional characteristics of amblygonite group minerals. Min. syr'e no.6:75-82 '62. (MIRA 16:4)

(Amblygonite)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

GORZHEVSKAYA, S.A.; SIDORENKO, G.A.

Phase composition of ignition products of minerals of the pyrochlore structural type and their connection with the chemical composition. Geokhimiia no.9:794-799 '62. (MIRA 15:11)

(Pyrochlore) (Mineralogy)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

GINZBURG, I.V.; LISITSINA, G.A.; SADIKOVA, A.T.; SIDORENKO, G.A.

Fayalite of granitic rocks and its alteration products (Kurama Range, Central Asia). Trudy Min.muz. no.13:16-42 '62. (MIRA 16:2)

(Kurama Range--Fayalite)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

TIMCHENKO, T.I.; SIDORENKO, G.A.

Finds of zinc phosphates in pegmatites of Transbaikalia. Trudy Min.muz. no.13:219-223 '62. (MIRA 16:2)
(Transbaikalia--Zinc phosphates) (Transbaikalia--Pegmatites)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

KUPRIYANOVA, I. I.; STOLYAROVA, T. I.; SIDORENKO, G. A.

Thorosteenstrupine, a new thorium silicate. Zap. Vses. min. ob-va 91 no.3:325-330 '62. (MIRA 15:10)

(Thorium silicates) (Steenstrupine)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

KOPCHENOVA, Ye. V.; SIDORENKO, G. A.

Bearsite, an arsenic analogue of moraesite. Zap. Vses. min. ob-va 91 no.4:442-446 '62. (MIRA 15:10)

(Minerals) (Beryllium arsenate)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

KUPRIYANOVA, I.I.; SHLOKENKO, G.A.; STOLYAROVA, T.I.

A mineral of the britholite-melanocerite group. Zap.Vses. min.ob-va 91 no.5:573-581 '62. (MIRA 15:11)
(Siberia--Britholite) (Siberia--Cerite)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

GORZHEVSKAYA, S.A.; SIDORNEKO, G.A.

Find of a crystalline variety of lyndochite. Dokl. AN SSSR 146 no.5: 1176-1178 O '62. (MIRA 15:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy instutit mineral'nogo syr'ya. Predstavleno akademikom D.I.Shcherbakovym.
(Lyndochite)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

BAGDASAROV, Yu.A.; GAYDUKOVA, V.S.; KUZNETSOVA, N.N.; SIDORENKO, G.A.

Find of lueshite in Siberian carbonatites. Dokl. AN SSSR 147 no.5:1168-1171 D '62. (MIRA 16:2)

1. Predstavleno akademikom D.I. Shcherbakovym.
(Siberia—Minerals) (Niobium compounds)

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SIDORENKO, G.A.

X-ray identification of metamict minerals. Rent.min.syr. no.3: 55-65 '63. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

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NUDEL'MAN, S.L.; SIDORENKO, G.A.

Structural parameters of samarskite. Rent.min.syr. no.3:66-70 '63. (MIRA 17:4)

1. "sesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo sy: ya.

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ROZHKOVA, Ye.V.; GORBATOV, G.A.; SIDORENKO, G.A.; SOLOMKINA, S.G.

New methodological approach to the study of typomorphic characteristics of minerals based on beryllium. Min.syr'e no.7:45-54 '63. (MIRA 16:9)

(Beryllium—Analysis)

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GORZHEVSKAYA, S.A.; SIDORENKO, G.A.

Main characteristics of the minerals of the samarskite structural type. Min.syr'e no.7:96-107 '63. (MIRA 16:9)
(Mineralogy)

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GORSHKOVSKAYA, G.A.; SIDORENKO, G.A.

Characteristics of the minerals of the eshynite structural type. Min.syr'e no.8:43-57 '63.

Isomorphous priorite-blomstrandine and euxenite-polucrase series. Ibid.:58-67 (MIRA 17:9)

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SIDORENKO, G.A.

Blue "rezhikit" asbestos, a mineral from the alkali-amphibole series; X-ray examination. Min. sbor. no.17:127-135 '63. (MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya Moskva.

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POLUSHKINA, A.P.; SIDORENKO, G.A.

Melnikovite as a mineral species. Zap. Vses. min. ob-va 92 no.5:547-554 '63. (MIRA 17:1)

1. Vsesoyuznyy institut mineral'nogo syr'ya (VIMS), Moskva.

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KUPRIYANOVA, I.I.; SIDORENKO, G.A.

On minerals of the britholite group. Dokl.AN SSSR 148 no.4:912-915 F '63. (MIRA 16:4)

1. Predstavleno akademikom N.V.Belovym.
(Britholite)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

POLUSHKINA, A.P.; SIDORENKO, G.A.

Structural variety of cobaltine. Dokl. AN SSSR 153 no.6: 1420-1423 D '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya. Predstavleno akademikom D.I. Shcherbakovym.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

GINZBURG, I.V.; SIDORENKO, G.A.

Some characteristics of the crystallochemistry of pyroxenes, detected during their diagnosis using debyegram. Trudy Min. muz. no.15:81-107 '64. (MIRA 17:11)

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BUNYA, V.P.; [illegible], G.A.

Find of wadeite in the intrusions of pseudoleucite rocks in the Murun Massif. Trudy Min. muz. no.15:232-238 '64.
(MIRA 17:11)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

L 10670-65 EWT(1)/EWG(v)/EWA(d)/EEC-4/EEC(t) Pe-5/Pu-2

AFWL GW S/2534/64/000/025/0090/0095

ACCESSION NR: AT4047023

AUTHOR: Kvasha, L. G.; Sidorenko, G. A.; Ginzburg, I. V.

TITLE: Pyroxene of the Nakhla stony meteorite

SOURCE: AN SSSR. Komitet po meteoritam. Meteoritika, no. 25, 1964, 90-95

TOPIC TAGS: meteorite, stony meteorite, Nakhla meteorite, pyroxene, achondrite

Monoclinic pyroxene is the principal mineral in the Nakhla stony meteorite, which fell in the form of a large number of fragments on June 28, constitutes about 3/4 of the weight of this meteorite, served as a basis for defining a special type ite is represented by about 40 individual specimen is in the collection, AN SSSR) and detailed

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AS

SUB

Card 1/2

finite crystal... distinguished clearly ...

...CL: 00 SUB CODE: ES, AA

Card

...SOV: 009 OTHER: 011

SKOROPOGATOVA, N.V.; KOSTIN, N.Ye.; SIDORENKO, G.A.; STOLYAROVA, T.I.

Thalenite from albites of Eastern Siberia. Dokl. AN SSSR 155 no.1:100-103 Mr '64. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya. Predstavleno akademikom D.I.Shcherbakovym.

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TARKHANOVA, G.A.; SIDORENKO, G.A.; KUZNETSOVA, N.N.

Concerning the new mineral-pravdite. Zap. Vses. min.-ob-va 93 no.1:106-110 '64 (MIRA 18:2)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SKVORTSOVA, K.V.; SIDORENKO, G.A.; DARA, A.D.; SILANT'YEVA, N.I.; MEDOYEVA, M.M.

Femolite, a new molybdenum sulfide. Zap. Vses. min. ob-va 93 no.4:436-443 '64 (MIRA 18:2)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

GINZBURG, I.V.; MALEYEV, Ye.F.; SIDORENKO, G.A.; TELESHOVA, R.L.

New find of pigeonite in the U.S.S.R. Dokl. AN SSSR 159 no.6: 1301-1304 D '64 (MIRA 18:1)

1. Mineralogicheskiy muzey im. A. Ye. Fersmana AN SSSR i Institut vulkanologii Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom V.S. Sobolevym.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

GORZHEVSKAYA, Susanna Aleksandrovna; SIDORENKO, Galina Aleksandrovna; GINZBURG, A.I., glavnyy red.; POLYAKOV, M.V., zamestitel' glavnogo red.; APEL'TSIN, F.R., red.; GRIGOR'YEV, V.M., red.; RODIONOV, G.G., red.; STEPANOV, I.S., red.; TROKHACHEV, P.A., red.; FAGUTOV, V.P., red.; CHERNOSVITOV, Yu.L., red.; SHMANENKOV, I.V., red.; SHCHERBINA, V.V., red.; EYGELES, M.A., red.

[Titano-tantalo-niobates. Part 2.] Titano-tantalo-niobaty. Moskva, Nedra. Pt.2. 1964. 115p. (Geologiia mestorozhdenii redkikh elementov, no.23) (MIRA 18:1)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

YAKHONTOVA, L.K.; [illegible]

Supergenic synthesis of cobalt-bearing calcium carbonate. Zap.Vses. min.ob-va 94 no.2:208-212 '65. (MIRA 18:5)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

[illegible] SIDORENKO, G.A.; MENATOV, V.P.

[illegible] Minerals [illegible] (MIRA 13:3)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

GORZHEVSKAYA, S.A.; LUGOVSKOY, G.P.; SIDORENKO, G.A.

First find of samiresite in the Soviet Union. Dokl. AN SSSR 162 no.5:1148-1151 Je '65. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya. Submitted March 17, 1964.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

KRUGLOVA, V.G.; SIDORENKO, G.A.; POLUPANOVA, L.I.

Rhombohedral modification of molybdenum disulfide. Trudy Min.muz. no.16:233-237 '65. (MIRA 18:8)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

NAUMOVA, V.N.; [illegible], G.A.

[illegible] in the [illegible] of the Chokadam-Bulak Deposit. Trudy Min.muz. no.[illegible]:239-243 '65. (MIRA 18:8)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

AKUPIN, [illegible]; [illegible], [illegible]; BIDORENKO, G.A.; DOROFEYEVA, K.A.

Igneous nonbearing rare-earth elements. Trudy Min.muz. no.16:244-251 1965. (MIRA 18:8)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

GORZHEVSKAYA, S.A.; GREKULOVA, L.A.; SIDORENKO, G.A.

Physical properties and composition of columbite-tantalites. Min.sbor. 18 no.3:257-269 '64. (MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya, Moskva.

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В.А.Рязанцев
Г.Д.Сидоренко

Исследование ферросплавов чугунов, содержащих ниобий.

Д.А.Гегарк
А.В.Рудаков
А.Ю.Пенкин

Исследование процессов дефосфорации выплавки на чугунах с высоким содержанием фосфора.

report submitted for the 5th Physical Chemical Conference on Steel Production, Moscow-- 30 Jun 1959.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550430001-2

SIDORENKO, G. D.

Bardin, I. P., V. A. Reznichenko, G. D. Sidorenko, V. P. Revebtsov, and V. M. Lutseyko [Institute of Metallurgy, Academy of Sciences USSR, and Institute Metallurgii UFAN (Institute of Metallurgy, Urals Branch, Academy of Sciences USSR). Results of Consolidated Laboratory Investigations of the Application of Air Blast (in the Production) of Niobium Pig Iron, p. 35. Titan i yego splavy. vyp. II: Metallurgiya titana (Titanium and Its Alloys. No. 2: Metallurgy of Titanium) Moscow, Izd-vo AN SSSR, 1959. 179 p.

This collection papers deals with sources of titanium; production of titanium dioxide, metallic titanium, and titanium sheet; slag composition; determination of titanium content in slags; and other related matters. The sources of titanium discussed are the complex sillimanite ores of the Kyakhtinskoye Deposit (Buryatskaya ASSR) and certain aluminum ores of Eastern Siberia. One paper explains the advantages of using ilmenite titanium slags for the production of titanium dioxide by the sulfuric acid method. Production of metallic titanium by thermal reduction processes (hydrogen, magnesium, and carbon reduction) is the subject of several papers, while other papers are concerned with the electrolytic production of titanium. Other subjects dealt with are interaction of titanium with vapor and with hydrogen and the determination of titanium in slags.

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BARDIN, I.P., akademik; REZNICHENKO, V.A.; SIDORENKO, G.D.; REVEBTSOV, V.P.; LUPEYKO, V.M.

Results of enlarged laboratory investigations on the converter blowing of niobium pig iron. Titan i ego splavy no.2:35-39 '59. (MIRA 13:6)

1. Institut metallurgii AN SSSR i Institut metallurgii Ural'skogo filiala AN SSSR.
(Bessemer process) (Niobium)

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REZNICHENKO, V.A.; SIDORENKO, G.D.

Results of testing on the sintering of titanium concentrates.
Titan i ego splavy no.5:50-53 '61. (MIRA 15:2)
(Sintering)
(Titanium ores)

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